

Design Speed (mph)	Desirable L _D Full-Width Auxiliary Lane (ft)
70	980
65	880
60	780
55	680
50	550
45	430
40	330
35	280
30	230
25	200

Grade Adjustment Factors ⁽¹⁾				
Downgrade				
6.00% to 5.00%	4.99% to 4.00%	3.99% to 3.00%	2.99% to 2.01%	2.00% to 0%
1.35	1.28	1.20	1.10	1.00
Upgrade				
0% to 2.00%	2.01% to 2.99%	3.00% to 3.99%	4.00% to 4.99%	5.00% to 6.00%
1.00	0.95	0.90	0.85	0.80

⁽¹⁾ Ratio from this table multiplied by the length provided above will give the deceleration lane length adjusted for grade. Adjustment factors apply to all design speeds.

DECELERATION DISTANCES FOR TURNING LANES

Figure 46-4J